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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/665,966	09/18/2003	Brent M. Bradburn	10992499-6	8330	
7:	590 08/09/2005	EXAMINER			
HEWLETT-PACKARD COMPANY Intellectual Property Administration			BRINICH, STEPHEN M		
P.O. Box 27240		ART UNIT	PAPER NUMBER		
Fort Collins, CO 80527-2400			2624		
			DATE MAILED: 08/09/2005	5	

Please find below and/or attached an Office communication concerning this application or proceeding.



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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION		ATTORNEY DOCKET NO.
10/1065	966			
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			ART UNIT	PAPER
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Please find below and/or attached an Office communication concerning this application or proceeding.

**Commissioner for Patents** 

	Application No.	Applicant(s)				
	10/665,966	BRADBURN, BRENT M.				
Office Action Summary	Examiner	Art Unit				
	Stephen M. Brinich	2624				
The MAILING DATE of this communication Period for Reply	appears on the cover sheet wi	th the correspondence address				
A SHORTENED STATUTORY PERIOD FOR RETHE MAILING DATE OF THIS COMMUNICATION  - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication  - If the period for reply specified above is less than thirty (30) days, to fix NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by some Any reply received by the Office later than three months after the meaned patent term adjustment. See 37 CFR 1.704(b).	ON. R 1.136(a). In no event, however, may a ron. a reply within the statutory minimum of thirteriod will apply and will expire SIX (6) MON tatute, cause the application to become AB	eply be timely filed  y (30) days will be considered timely.  THS from the mailing date of this communication.  ANDONED (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>€</u>	<u> 9 December 2004</u> .					
<u> </u>						
,—	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ☐ Claim(s) 1,3-6 and 8-14 is/are pending in t 4a) Of the above claim(s) is/are with 5) ☐ Claim(s) 1,3-5 and 11-13 is/are allowed. 6) ☐ Claim(s) 6,8-10 and 14 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction are	drawn from consideration.					
Application Papers						
9)☐ The specification is objected to by the Exar	niner.					
10) The drawing(s) filed on is/are: a) □	accepted or b) ☐ objected to I	by the Examiner.				
Applicant may not request that any objection to	the drawing(s) be held in abeyan	ce. See 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the co						
Priority under 35 U.S.C. § 119		•				
12) Acknowledgment is made of a claim for force a) All b) Some * c) None of:  1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the application from the International Bu * See the attached detailed Office action for a	nents have been received. nents have been received in A priority documents have been reau (PCT Rule 17.2(a)).	pplication No received in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)		ummary (PTO-413) )/Mail Date				
<ol> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date</li> </ol>	<i>'</i>	nformal Patent Application (PTO-152)				

Application/Control Number: 10/665,966

Art Unit: 2624

#### DETAILED ACTION

Page 2

### Response to Arguments

1. Applicant's arguments, see Response filed 12/9/04, with respect to the rejection(s) of claim(s) 1, 4-6, & 9-10 under 35 USC §102 have been fully considered and are persuasive.

Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made under 35 USC §101.

## Claim Rejections - 35 USC § 101

2. Claims 6, 8-10, & 14 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 6, 8-10, & 14 are drawn to functional descriptive material NOT claimed as residing on a computer readable medium. MPEP 2106.IV.B.1(a) (Functional Descriptive Material) states:

Data structures not claimed as embodied in a computerreadable medium are descriptive material per se and are not statutory because they are not capable of causing functional change in the computer.

Such claimed data structures do not define any structural or functional interrelationships between the data structure and other claimed aspects of the invention which permit the data structure's functionality to be realized.

Art Unit: 2624

Claims 6, 8-10, & 14, while defining a memory media for controlling a processor does not define a "computer-readable medium" and is thus non-statutory for that reasons. A memory media for controlling a processor can range from paper on which the program is written, to a program simply contemplated and memorized by a person. The examiner suggests amending the claim to embody the program on "computer-readable medium" in order to make the claim statutory.

In contrast, a claimed computer-readable medium encoded with the data structure defines structural and functional interrelationships between the data structure and the computer software and hardware components which permit the data structure's functionality to be realized, and is thus statutory." - MPEP 2106.IV.B.1(a)

#### Allowable Subject Matter

- 3. Claims 1, 3-5, & 11-13 are allowed.
- 4. The following is a statement of reasons for the indication of allowable subject matter:

Re claim 1 (and dependent claims 3-5), the pattern frequency associated with the destination pixels and scaled matrix array of the art of record is equal to, not less than, that of the source pixels.

Application/Control Number: 10/665,966

Page 4

Art Unit: 2624

Re claim 11 (and dependent claim 12), the art of record does not teach or suggest of output sub-tones defined by the resolution of the destination image.

Re claim 13, the art of record describes the use of a single source pixel, as opposed to the plurality of source pixels described in the claim, in conjunction with the recited scaled matrix error diffusion array.

#### Conclusion

5. Any inquiry concerning the contents of this communication or earlier communications from the examiner should be directed to Stephen M. Brinich at 571-272-7430.

Any inquiry relating to the status of this application or proceeding or any inquiry of a general nature concerning application processing should be directed to the Tech Center 2600 Customer Service center at 571-272-2600 or to the USPTO Contact Center at 800-786-9199 or 703-308-4357.

The examiner can normally be reached on weekdays 7:00-4:30, alternate Fridays off.

If attempts to contact the examiner and the Customer Service Center are unsuccessful, supervisor David Moore can be contacted at 571-272-7437.

Application/Control Number: 10/665,966 Page 5

Art Unit: 2624

Faxes pertaining to this application should be directed to the Tech Center 2600 official fax number, which is 571-273-8300 (as of July 15, 2005).

Hand-carried correspondence may be delivered to the Customer Service Window, located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

Stephen M Brinich

Examiner

Art Unit 2624

smb

August 1, 2005